

## STANDARD BAR SPLICER ASSEMBLY

		Minimum Lap	Lengths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11''	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11''	2'-10"
6	2'-1"	2'-11"	3'-1"	3′-6″	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5′-1′′	5′-5″	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7′-9″	7′-5″

Table 1: Black bar, 0.8 Class C Table 2: Black bar, Top bar lap, 0.8 Class C

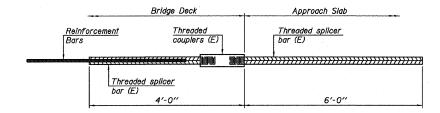
Table 3: Epoxy bar, 0.8 Class C

Table 4: Epoxy bar, Top bar lap, 0.8 Class C
Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length +  $1_2^{\prime\prime}$  + thread length

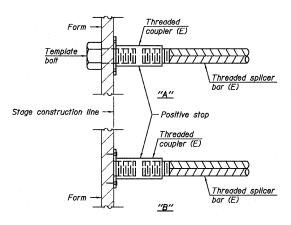
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Exp. Jts. Deck	#5	24 (EB) & 24 (WB)	4
Exp. Jts. Abut.	#5	8 (EB) & 8 (WB)	4



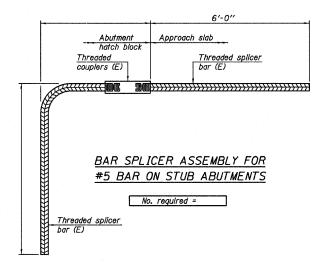
## BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

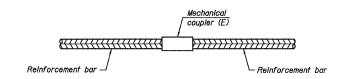
No. required =



## INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E) : Indicates epoxy coating.





## STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
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<u>NOTES</u>

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and fied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See special provision for Mechanical Splicers. See approved list of bar splicer assemblies and mechanical splicers for

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		CHECKED - JML	REVISED	
		DRAWN - DJM/JWK	REVISED	
	DATE - 12/05/11	CHECKED - MSW	REVISED	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 082-0167 (E.B.) F.A.I. RTE. 64 SECTION 82-(3,4)RS STRUCTURE NO. 082-0168 (W.B.) SHEET NO. A21 OF 21 SHEETS

COUNTY TOTAL SHEET NO.
ST. CLAIR 167 121 CONTRACT NO. 76415 ILLINOIS FED. AID PROJECT

24-8570